

ALDEN'S ROCK

PORTLAND

By the Hydrographic party

under the command of Lt. M. WOODHULL U.S.N. Assistant

Scale 1000

1853

TIDES

<i>Corrected Establishment of Richmond's Island</i>	X ^h XXX ^m
<i>Rise of Highest tide observed, above the plane of reference</i>	10 42 Ft
<i>Fall of Lowest do. do. below do.</i>	1 58 "
<i>Fall of Mean Low Water of Spring Tides below do.</i>	1 28 "
<i>Height of do. of Neap Tides above do.</i>	0 82 "
<i>Mean Rise and Fall of Tides</i>	9 16 "
<i>Mean do. do. of Spring Tides</i>	31 00 "
<i>Mean do. do. of Neap Tides</i>	7 610 "
<i>Mean duration of the Flooding from the middle of one</i>	6 ^h 20 ^m
<i>Mean do. of Fall from the middle of the next</i>	6 ^h 15 ^m
<i>Mean do. of Stand</i>	0 ^h 35 ^m

This dangerous rock lying in the immediate track of vessels bound into Portland Harbor, is about 317 yards long by 121 yards wide, lying in a N.E. and S.W. direction. The soundings upon it are quite irregular, varying from 12 feet to 24 feet at mean low water, with a line of deep soundings running North and South through the centre of it, creating generally the opinion of there being two separate rocks.

Bearings & Distances			
To Cape Elizabeth Light	N. W. by W	(compass) distance	3 miles
To Portland Light	N. N. W. W	do. do	6½ do.
To Wood Island Light	S. W. by W. W	do. do	14 do.

<i>Latitude of Cape Elizabeth Lt. House (E. S. Light)</i>		43° 33' 56"
<i>Longitude of</i>	<i>do.</i>	<i>William Greenwich Obs. is an</i>
<i>do.</i>	<i>do.</i>	<i>data to</i>
<i>do.</i>	<i>do.</i>	<i>in time</i>
<i>Variation of the Mag. Needle at Richmond Is. in July 1846</i>		4° 40' 00" W. 10° 19' West

Note. The Soundings are expressed in feet to 6 fathoms; beyond this in fathoms and show the depth at mean low water; the plane of reference. The dotted lines represent the bottom within the respective depths of 1, 2, 3 & 4 fathoms thus:

Red.^d Dr.^{ng} by J. J. Ricketts

Statute Yards

Eng^d by App. J. J. Knight

Do Not
Circulate

BYU Map
Collection

Locked
Case
G3701
.P5
1853
.U55x
Aldens
Rock